



ATI FirePro™ V8800

Professional Graphics



Command Your Creations



- **Industry's most powerful workstation graphics⁷ that supports up to four independent displays⁴**
- **Professional quality and performance for the high-end market**
- **Features industry's highest memory bandwidth⁸**
- **2X computing capability over prior generation²**
- **ATI Eyefinity capable graphics card¹**
- **Four DisplayPort outputs**
- **Drive up to 4 independent 30" displays⁴ – 16.4 million pixels⁹**
- **2GB GDDR5 memory**
- **Scalable ultra parallel processing architecture with 1600 stream processors**
- **AutoDetect technology instinctively optimizes performance for multi-application workflow**
- **Hardware acceleration of DirectX[®] 11 & OpenGL[®] 4.1 advanced features**
- **Optimized and certified for many major CAD and DCC applications**
- **PCI Express[®] 2.1 compliant**

Incredible performance scalability and stunning visual quality

Introducing the ATI FirePro™ V8800 workstations graphics card from AMD. This high-end workstation solution features ATI Eyefinity technology¹, 2GB of ultra high speed GDDR5 memory and more than double the computational power of previous-generation products.² With its large frame buffer and a full 30-bit display pipeline³, the ATI FirePro™ V8800 is ideally suited for users who work with large data sets or shader-intensive applications and who demand high-end computational power and the superior visual flexibility.

Based on a new generation GPU with 1600 stream processors, the ATI FirePro™ V8800 ultra parallel processing architecture helps maximize throughput by automatically directing graphics horsepower where it's needed. Intelligent management of computational resources enables enhanced utilization of the GPU to enable real-time rendering of extremely complex models and scenes.

The ATI FirePro™ V8800 features four DisplayPort outputs driven by ATI Eyefinity technology, offering an unprecedented multitude of and flexibility for display configurations for the professional user.⁴ These include, from a single graphics card: presenting a multi-monitor desktop of over 10,000 pixels wide⁵; driving a 4K projector; delivering combinations of portrait and landscape orientations; driving virtual prototyping and video wall scenarios with multiple projectors. With ATI FirePro™ graphics native multi-card support, users can see more and do more using up to eight displays being driven by two ATI FirePro™ V8800 cards in the same workstation.^{4,6}

ATI FirePro™ professional graphics cards are thoroughly tested and certified with many major Computer Aided Design (CAD) and Digital Content Creation (DCC) applications, ensuring a level of reliability and compatibility not found in consumer graphics products.

Innovation and Reliability from a Technology Leader

Besides the new and ground breaking ATI Eyefinity technology¹, ATI FirePro™ cards have been engineered to deliver innovation and reliability for a wide range of professional operating environments, including Microsoft® Windows® 7, Windows® XP, Windows Vista® and Linux®. The unified driver, which supports all ATI FirePro™ products, helps reduce the total cost of ownership by simplifying installation, deployment and maintenance.

In addition, ATI FirePro™ products incorporate a unique AutoDetect technology. As users open new 3D applications, or move between them, ATI FirePro™ graphics driver settings are automatically configured for optimized performance of supported applications, no matter what the user's workflow demands.





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Features	Benefits
ATI Eyefinity Technology	Advanced multi-display technology delivering highly immersive graphics/computing experience with innovative display capabilities supporting massive desktop workspaces ^{4,1}
AutoDetect Technology	As a user moves between applications, or opens new ones, the graphics driver settings are automatically configured for maximum performance
Full 30-bit Display Pipeline	Enables more color values than 24-bit products for more accurate color reproduction and superior visual fidelity ²
Multi-View Display	With four DisplayPort outputs, Multi-View enables up to four displays with independent display resolution, refresh rate, and display rotation settings ^{4,1}
Full Shader Model 5.0 Support	Create more complex geometry and scenes without taxing the CPU
Certification	There is a high level of assurance when purchasing a configuration that is reliable and provides the performance necessary for professional 3D graphics needs
DirectX® 11 and OpenGL® 4.1 Advanced Features	Great performance, scalability and reliability
OpenCL™ 1.1	Industry standard API - Open, multiplatform development platform for enabling broad adoption of heterogeneous computing ³

Ordering Information	
Retail SKU	
Part Number	100-505603
UPC Code	727419415118
Retail Package Weight	3.60 lbs (1.633 Kg)
Retail Package Dimensions	15 x 9.5 x 3.25 in (38.1 x 24.13 x 8.255 cm)

¹ ATI Eyefinity technology can support multiple displays using a single enabled ATI FirePro™ professional graphics card; the number of supported displays varies by card model. Microsoft® Windows® 7, Windows Vista®, or Linux® is required in order to support more than 2 displays. Depending on the card model, native DisplayPort™ connectors and/or certified DisplayPort™ active or passive adapters to convert your monitor's native input to your card's DisplayPort™ or Mini-DisplayPort™ connector(s) may be required. Some card models come with adapters. Cables not included. See www.amd.com/firepro for details.

² Based on 1600 stream processors for ATI FirePro™ V8800 vs. 800 stream processors for ATI FirePro™ V8750.

³ Thirty-bit monitor required for full 30-bit display.

⁴ Each ATI FirePro V8800 Supports up to four independent displays, using the four DisplayPort connectors (cables not included).

⁵ Four displays, each supporting 2560 x 1600 resolution, with the use of DisplayPort connectors required for over 10,000 pixel width.

⁶ Specific power, chassis space, connector, and resource requirements may apply. Check with system manufacturer to see if dual cards are supported.

⁷ As of 3/1/2010, ATI FirePro™ V8800 has the highest number of stream processors of any graphics card, with 1600 stream processors.

⁸ Based on comparison of 1600 stream processors and 147.2GB/s memory bandwidth for ATI FirePro™ V8800 vs. 240 CUDA processors and 102GB/s for NVIDIA QuadroFX 5800, as reported on http://www.nvidia.com/object/IO_11761.html as of 3/16/10.

⁹ 2560 x 1600 resolution required for full 16.4 million pixel resolution.

¹⁰ OpenCL™ compliant driver and SDK release scheduled in 2010.

¹¹ DVI output supported through two included single-link DP to DVI adapters, dual-link and additional single-link adapters sold separately.

¹² VGA output supported through optional DP to VGA adapter; must be purchased separately.

¹³ Toll free hotline available in North America.

¹⁴ Linux® drivers can be downloaded from support.amd.com.

Product Specifications	
GPU	
Stream Processors	1600
Memory Interface	256-bit
Memory	
Size/Type	2GB GDDR5
Bandwidth (GB/s)	147.2
Display Outputs	
Display Ports	4 Standard
Max Resolution	2560x1600 @ 60Hz
Stereo (3-pin DIN)	Yes
API/Feature/OS Support	
DirectX®	11.0
OpenGL®	4.1
Shader Model	5.0
ATI Eyefinity Technology Support ¹	Yes
ATI CrossFire™ Pro Support ⁶	Yes
ATI FirePro™ S400 Synchronization Module Support (for Framelock/Genlock)	Yes
Stream Computing	Yes (OpenCL™ 1.1 ¹⁰)
OS Support	Microsoft® Windows® 7, Windows® XP Windows Vista®, Linux® ¹⁴ (32-bit or 64-bit)
Thermal/Power/Form Factor	
Max Power	<225 W
Slot(s)	2
Form Factor	Full Height / Full Length
Support Energy Star® 5.0 Compliance	Yes
Bus Interface	PCI Express® 2.1 x16
Additional Details	
System Requirements	<ul style="list-style-type: none"> → 512MB of system memory → CD-ROM drive (or internet access) for software installation → Power supply w/225W for graphics → Two 2x3 power connectors
Retail Package Contents	<ul style="list-style-type: none"> → ATI FirePro™ V8800 professional graphics card → Installation CD with drivers and documentation → Quick Start Reference Guide → Two DP to DVI (single-link) adapters^{11,12} → One ATI CrossFire™ Pro connection cable
ISV Certifications	All major CAD and DCC applications (visit http://ati.amd.com/products/workstation/certified_graphics_accelerators.html for complete listing)
Warranty and Support	<ul style="list-style-type: none"> → Three year limited product repair / replacement warranty → Direct toll free phone and email access to dedicated workstation technical support team¹³ → Advanced parts replacement option



For more information, visit www.amd.com/firepro